

OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Machine Id
LA1 321
 Component
Natural Gas Engine
 Fluid
PETRO CANADA SENTRON LA 2000 (--- GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is above the recommended limit. The BN level is low. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0112192	---	---
Sample Date	Client Info		24 Apr 2024	---	---
Machine Age	hrs	Client Info	11759	---	---
Oil Age	hrs	Client Info	2160	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	25	---	---
Chromium	ppm	ASTM D5185m >4	1	---	---
Nickel	ppm	ASTM D5185m >2	<1	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m >3	1	---	---
Aluminum	ppm	ASTM D5185m >9	2	---	---
Lead	ppm	ASTM D5185m >30	19	---	---
Copper	ppm	ASTM D5185m >35	9	---	---
Tin	ppm	ASTM D5185m >4	2	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	0	---	---
Barium	ppm	ASTM D5185m 1	<1	---	---
Molybdenum	ppm	ASTM D5185m 1	2	---	---
Manganese	ppm	ASTM D5185m 5	<1	---	---
Magnesium	ppm	ASTM D5185m 1	5	---	---
Calcium	ppm	ASTM D5185m 1237	1420	---	---
Phosphorus	ppm	ASTM D5185m 270	323	---	---
Zinc	ppm	ASTM D5185m 330	400	---	---
Sulfur	ppm	ASTM D5185m 2670	3508	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >+100	4	---	---
Sodium	ppm	ASTM D5185m	4	---	---
Potassium	ppm	ASTM D5185m >20	4	---	---
Fuel	%	ASTM D3524 >4.0	0.3	---	---

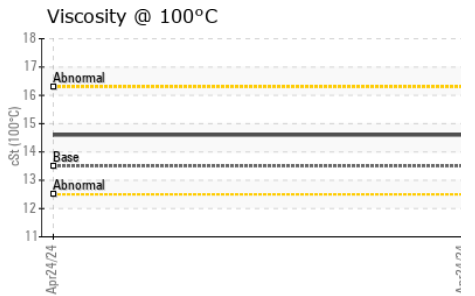
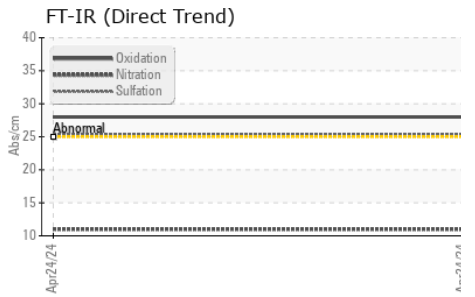
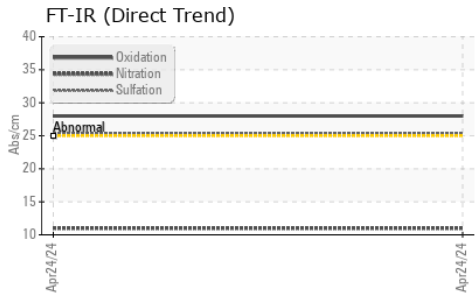
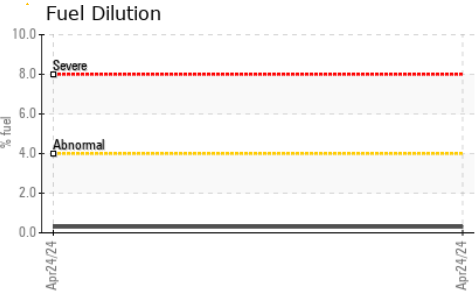
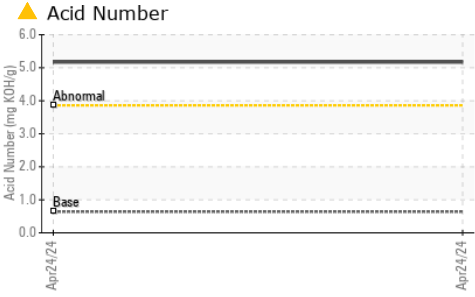
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	0.1	---	---
Nitration	Abs/cm	*ASTM D7624 >20	11.0	---	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	25.4	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	28.0	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045 0.64	▲ 5.172	---	---
Base Number (BN)	mg KOH/g	ASTM D2896 4.4	▲ 1.36	---	---

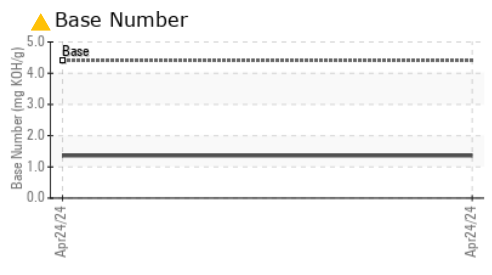
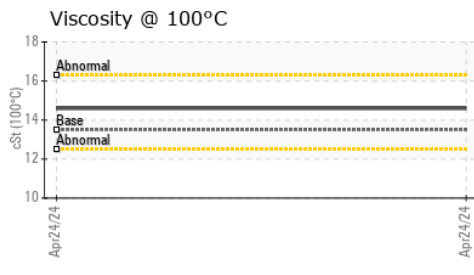
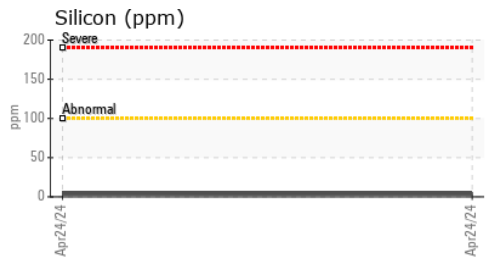
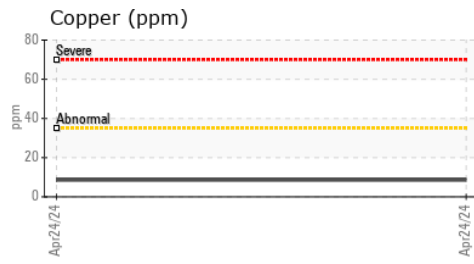
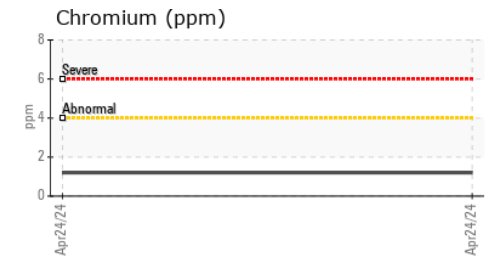
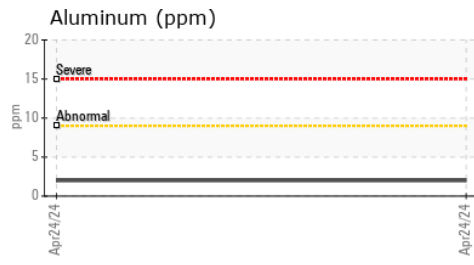
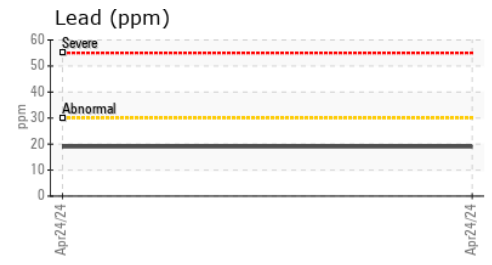
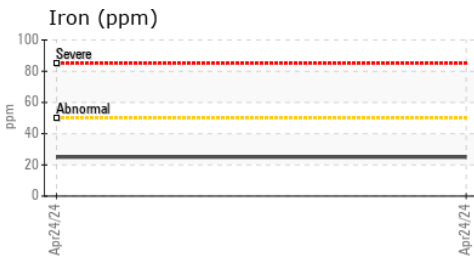
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	---	---
Precipitate	scalar	*Visual	NONE	---	---
Silt	scalar	*Visual	NONE	---	---
Debris	scalar	*Visual	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	---	---
Appearance	scalar	*Visual	NORML	---	---
Odor	scalar	*Visual	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	---	---
Free Water	scalar	*Visual	---	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	13.5	14.6	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112192 **Received** : 24 May 2024
Lab Number : **06190725** **Tested** : 30 May 2024
Unique Number : 11047477 **Diagnosed** : 30 May 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

GIGA ENERGY - MARSHALL
 803 BOIS D ARC
 MARSHALL, TX
 US 75672

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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